

MILLER CONSTRUCTION, INC.

P.O. BOX 86 ASCUTNEY BLVD WINDSOR, VERMONT 05089-0086

TELEPHONE (802) 674-5525 / FAX (802) 674-5245

TRANSMITTAL

TO: Jennifer Fitch, PE Project Manager Vermont Agency of Transportation	DATE	PROJECT NO.
	7/18/2014	Brookfield BRF FLBR (2)

XX

WE ENCLOSE THE FOLLOWING:

UNDER SEPARATE COVER WE ARE SENDING THE FOLLOWING

COPIES	NUMBER	DESCRIPTION	CODE
1		Glued Laminated Timber Beam Fabrication Drawings - Rev 2	H
1		ANSI/AITC A190.1 Letter	H

CODE:

A FOR INITIAL APPROVAL

B FOR FINAL APPROVAL

C APPROVED AS NOTED-RESUBMISSION REQUIRED

D APPROVED AS NOTED-RESUBMISSION NOT REQUIRED

E DISAPPROVED-RESUBMIT

F QUOTATION REQUESTED

G APPROVED

H FOR APPROVAL

I AS REQUESTED OR REQUIRED

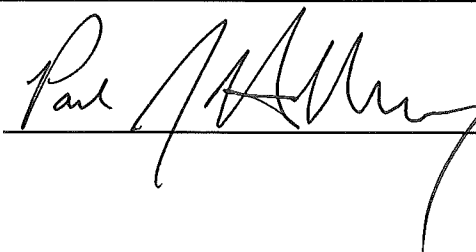
J FOR USE IN ERECTION

K LETTER FOLLOWS

L FOR FIELD CHECK

M FOR YOUR USE

BY:



STEEL ASSEMBLY BY OTHERS

FOR APPROVAL
NOT FOR CONSTRUCTION

LAMINATED TIMBER SPECIFICATION

SPECIES:	SOUTHERN PINE
STRESS GRADE:	26F-1.9E
CAMBER: 1"	
LAMINATIONS:	STANDARD 1-3/8"
AS PER ANSI/AITC A 190.1 IN ACCORDANCE W/ AITC 117 - CERTIFIED APA	
APPEARENCE GRADE:	INDUSTRIAL
MOISTURE CONTENT OF LAMINATIONS: MAXIMUM 16%	
ADHESIVE:	COMPLYING TO AITC A 190.1 WET-USE CONFROMING TO ASTM D 2559
LAMINATION LAYUP:	COMPLYING TO AITC 117 ANNEX B TABLE B1

Grade	Slope of grain	#of Lams
Top: 302-26	1:16	1
N1D	1:14	2
N1D	1:8	1
N1M	1:8	4
N1D	1:8	1
N1D	1:14	2
Bottom: 302-26	1:16	1

Lam splices are random

Prod: B1

Glue Laminated Timber Beams 2-7

Project : Floating Bridge (Brookfield)

No.: 1314-150-U // G-28107

Customer: Wright Construction Co. Inc.

FABRICATION

____/____/____

DATE:

July 17

June 25

Approval #3

Added Holes & Notes

REVISION

HOLE TYP. U.N.O.

1 1/2" Ø

Stress Grade: 26F-1.9E

App. Grade: Industrial

Treatment: Preservative Type II Penta Type A 0.60#
AWPA Use Category UC4B Commodity 6F

Qty: 12

Scale: 1/4" = 1'0"

X-section: 10 1/2" / 16-1/2"

Length: 30'-9"

Material: Southern Pine

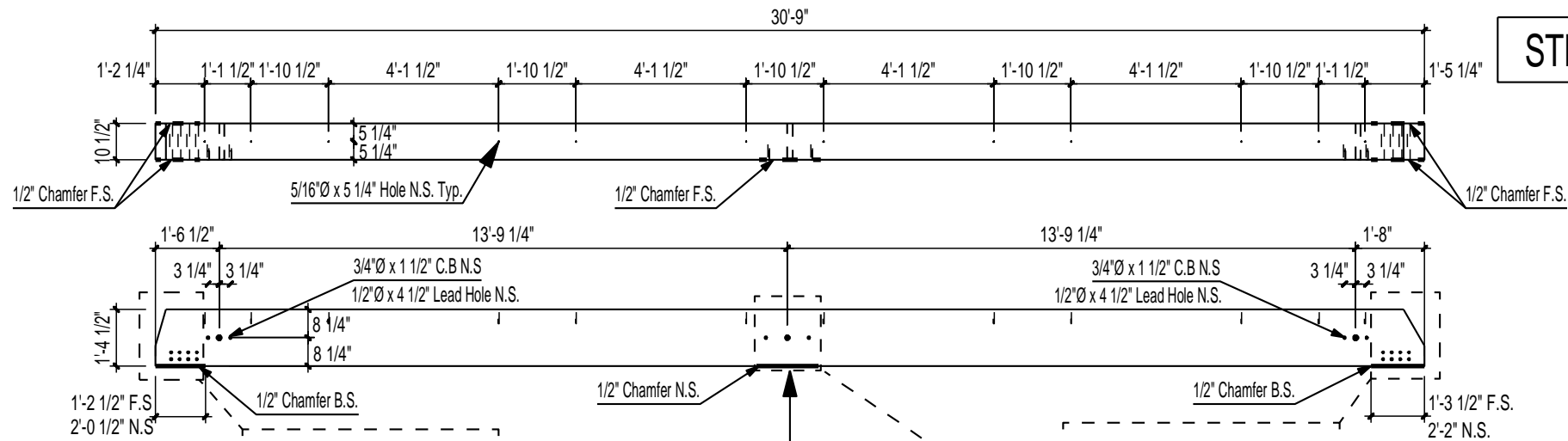
Date: 05-02-2014

By: J.R.

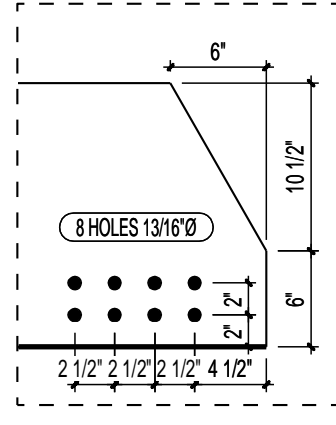
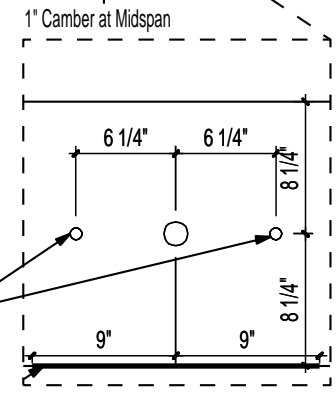
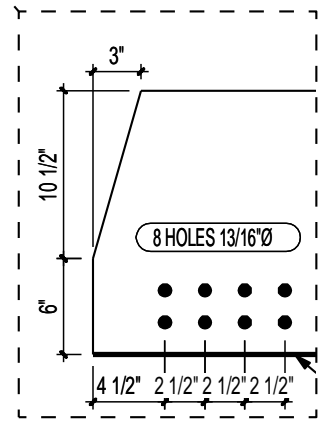
Checked: M.R.

Goodfellow inc.

225, Goodfellow Street
DELSON, QUEBEC, J5B 1V5
Tel.: 450-635-6511 Fax : 450-635-8304
www.goodfellowinc.com



STEEL ASSEMBLY BY OTHERS



FOR APPROVAL
NOT FOR CONSTRUCTION

LAMINATED TIMBER SPECIFICATION	
SPECIES:	SOUTHERN PINE
STRESS GRADE:	26F-1.9E
CAMBER: 1"	
LAMINATIONS: STANDARD 1-3/8"	
AS PER ANSI/AITC A 190.1 IN ACCORDANCE W/ AITC 117 - CERTIFIED APA	
APPEARENCE GRADE: INDUSTRIAL	
MOISTURE CONTENT OF LAMINATIONS: MAXIMUM 16%	
ADHESIVE: COMPLYING TO AITC A 190.1 WET-USE CONFROMING TO ASTM D 2559	
LAMINATION LAYUP: COMPLYING TO AITC 117 ANNEX B TABLE B1	

Grade	Slope of grain	#of Lams
Top: 302-26	1:16	1
N1D	1:14	2
N1D	1:8	1
N1M	1:8	4
N1D	1:8	1
N1D	1:14	2
Bottom: 302-26	1:16	1

Lam splices are random

Prod: B2

Glue Laminated Timber Beam 8

PRINTED: 17.07.2014

HOLE
TYP.
U.N.O.

1 1/2" Ø

Qty: 2

Scale: 1/4" = 1'0"

Date:
05-02-2014

Goodfellow inc.

Project : Floating Bridge (Brookfield)
No.: 1314-150-U // G-28107
Customer: Wright Construction Co. Inc.

FABRICATION

July 17
June 25
DATE:

Approval #3
Added Holes & Notes
REVISION

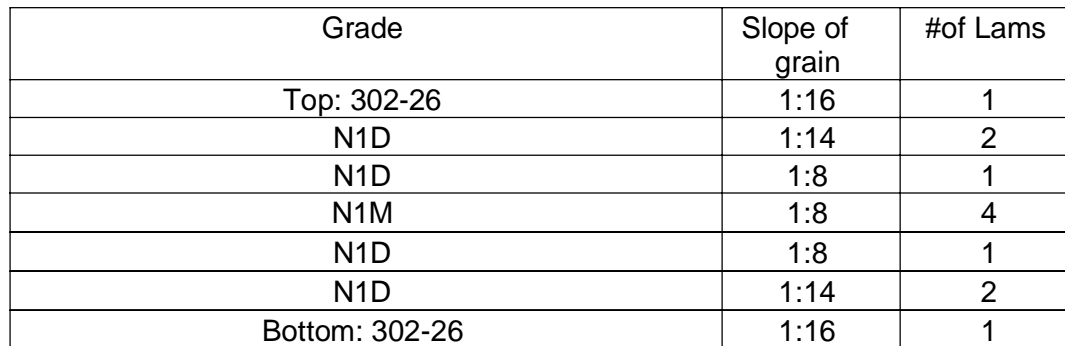
Stress Grade: 26F-1.9E
App. Grade: Industrial
Treatment: Preservative Type II Penta Type A 0.60#
AWPA Use Category UC4B Commodity 6F

X-section: 10 1/2" / 16-1/2"
Length: 30'-9"
Material: Southern Pine

By: J.R.
Checked: M.R.

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**FOR APPROVAL
NOT FOR CONSTRUCTION**

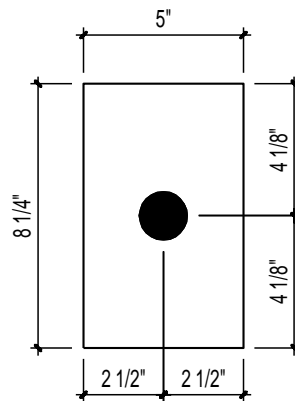
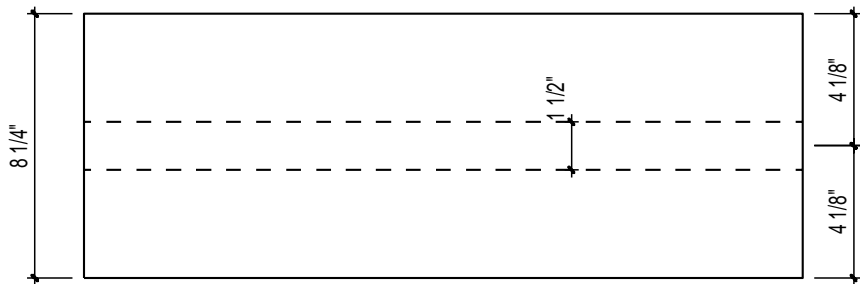
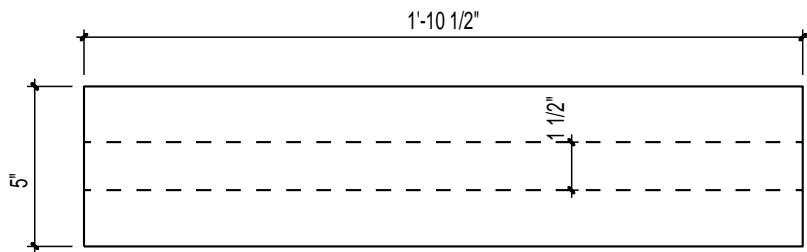


Prod: B3

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LAMINATION LAYUP: COMPLYING TO AITC 117 ANNEX B TABLE B1

STEEL ASSEMBLY BY OTHERS



FOR APPROVAL
NOT FOR CONSTRUCTION

Grade	Slope of grain	#of Lams
Top: N1M	1:14	1
N1M	-	1
N2M	-	1
N1D	-	2
Bottom: 302-20	1:14	1

Lam splices are random

LAMINATED TIMBER SPECIFICATION

SPECIES:	SOUTHERN PINE
STRESS GRADE:	24F-1.8E
CAMBER:	1"
LAMINATIONS:	STANDARD 1-3/8"
AS PER ANSI/AITC A 190.1	IN ACCORDANCE W/ AITC 117 - CERTIFIED APA
APPEARENCE GRADE:	INDUSTRIAL
MOISTURE CONTENT OF LAMINATIONS:	MAXIMUM 16%
ADHESIVE:	COMPLYING TO AITC A 190.1 WET-USE CONFROMING TO ASTM D 2559
LAMINATION LAYUP:	COMPLYING TO AITC 117 ANNEX B TABLE B1

Prod: B4

Glue Laminated Timber Diaphragm

PRINTED: 17.07.2014

HOLE
TYP.
U.N.O. 1 1/2" Ø

Qty: 42

Scale: 2" = 1'0"

Date:
05-02-2014

Goodfellow inc.

Project : Floating Bridge (Brookfield)
No.: 1314-150-U // G-28107
Customer: Wright Construction Co. Inc.

FABRICATION

__/_/_

July 17	Approval #3
June 25	Added Notes
DATE:	REVISION

Stress Grade: 24F-1.8E
App. Grade: Industrial
Treatment: Preservative Type II Penta Type A 0.60#
AWPA Use Category UC4B Commodity 6F

X-section: 5" / 8 1/4"
Length: 1'-10 1/2"
Material: Southern Pine

By: J.R.
Checked: M.R.

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To Whom It May Concern:

This is to confirm that Goodlam, a division of Goodfellow, Inc. with a structural glued laminated timber manufacturing plant located in Delson, Quebec, is a member in good standing of APA-The Engineered Wood Association. Goodfellow is qualified to make structural glued laminated timbers under the CSA O122-06 glulam standard for Canada and the ANSI/AITC A190.1-2007 glulam standard for the United States. APA is a not for profit trade association, certification and testing body. The role of APA is to provide technical support, market development, product certification and third party quality assurance trademarking services to manufacturers of glued structural wood products including structural glued laminated timber.

APA has member engineered wood product producers in the U.S. and Canada. Trademarking is provided under the APA and APA EWS trademarks that are recognized by all U.S. model building codes and the IBC under International Accreditation Services certification AA-649. APA is also approved as a certification body and a testing laboratory by the Standards Council of Canada (SCC). APA is recognized by Japan as a Registered Foreign Certification Organization (RFCO).

The APA quality assurance program is based on compliance with applicable national standards such as ANSI/AITC A190.1 *Structural Glued Laminated Timber*. ANSI/AITC A190.1 consensus standard, which is also referred to as ANSI A190.1, is recognized as the U.S. manufacturing standard for glulam by each of the model building codes and the IBC. The EWS quality assurance program is based on monthly audits of all member mills' quality systems and products by APA's Quality Services Division audit staff.

With a state of the art research laboratory in Tacoma and a Technical Services Division staff of 18 engineers, scientists and technicians, APA is uniquely qualified to provide technical support to glulam manufacturers through research and testing, standards development and code acceptance for glulam. ICC ES ER-1940 is recognized by IBC and all U.S. model code authorities. ICC ES ER-1940 provides the basis for all lay-up combinations used by APA glulam producers and is consistent with the provisions of ASTM D3737 *Standard for Developing Design Stresses for Glulam*.

With regional offices in 16 major metropolitan area throughout North America backed by a professional marketing staff at the APA headquarters in Tacoma, APA provides unparalleled market support for engineered wood products. APA also provides international market access and standards recognition from its headquarters in Tacoma, Washington.

The APA staff has extensive experience related to the design and manufacturing of glulam and is committed to assuring that the quality of glued laminated timber produced under the APA EWS trademark is unsurpassed in the industry. Anyone having questions regarding the APA program is encouraged to contact our office for further information.

Marc Mullins
Western Region Coordinator